

FIG. 1

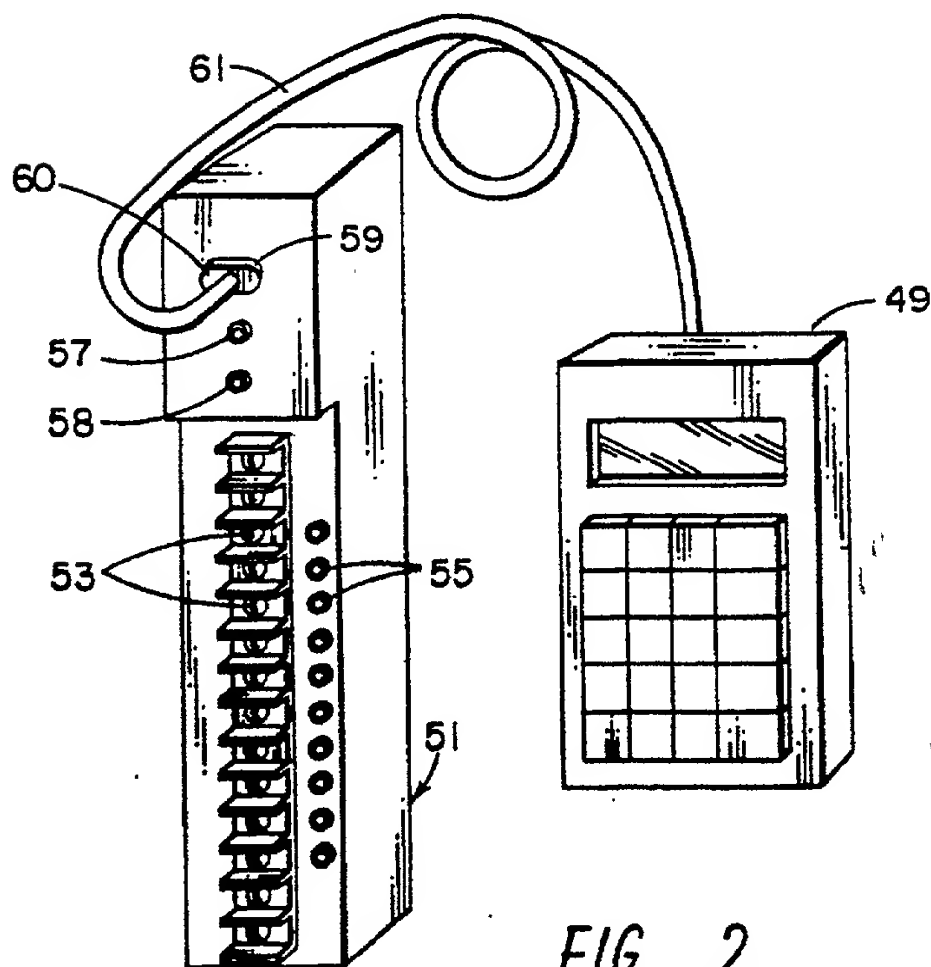


FIG. 2

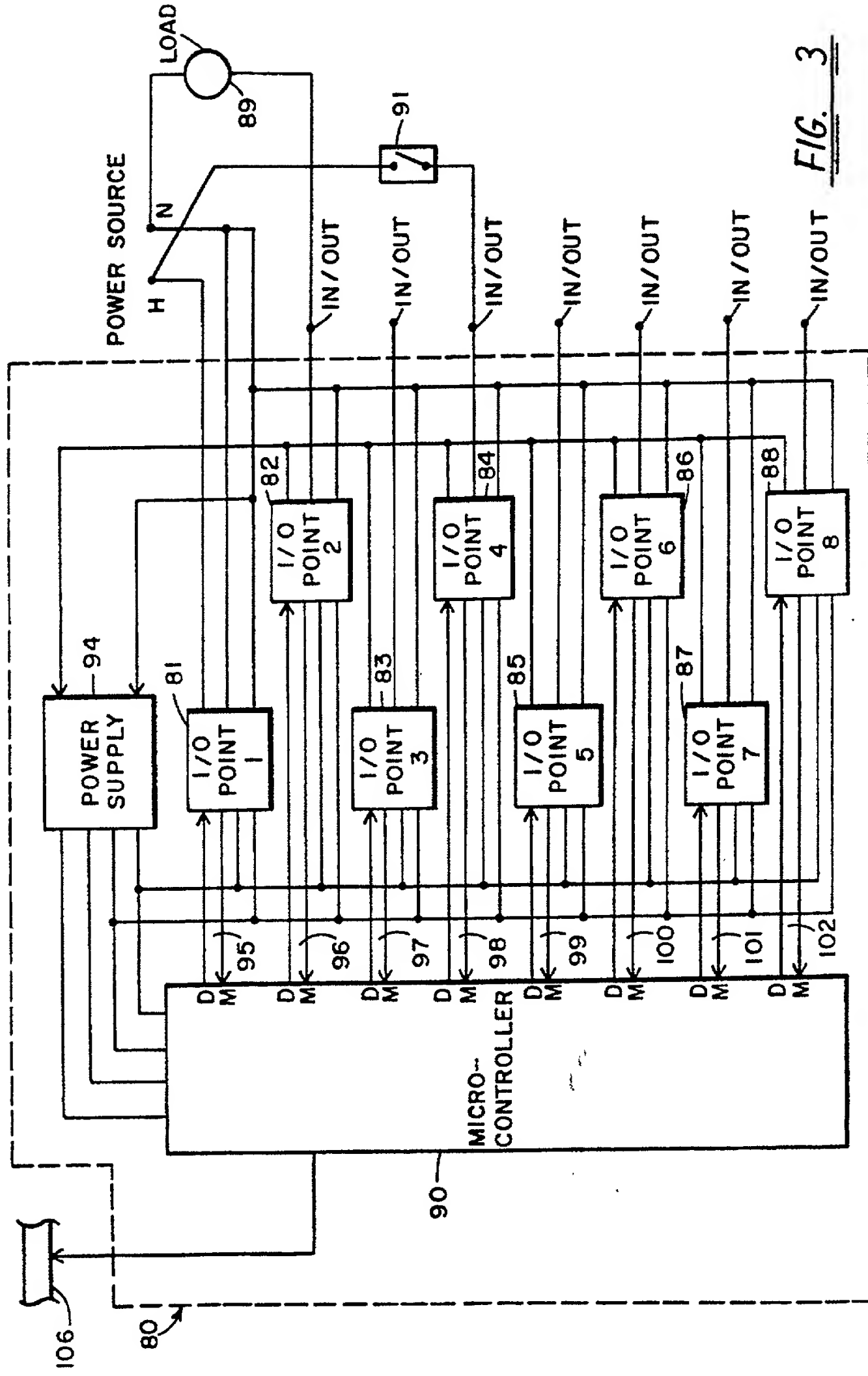


FIG. 3

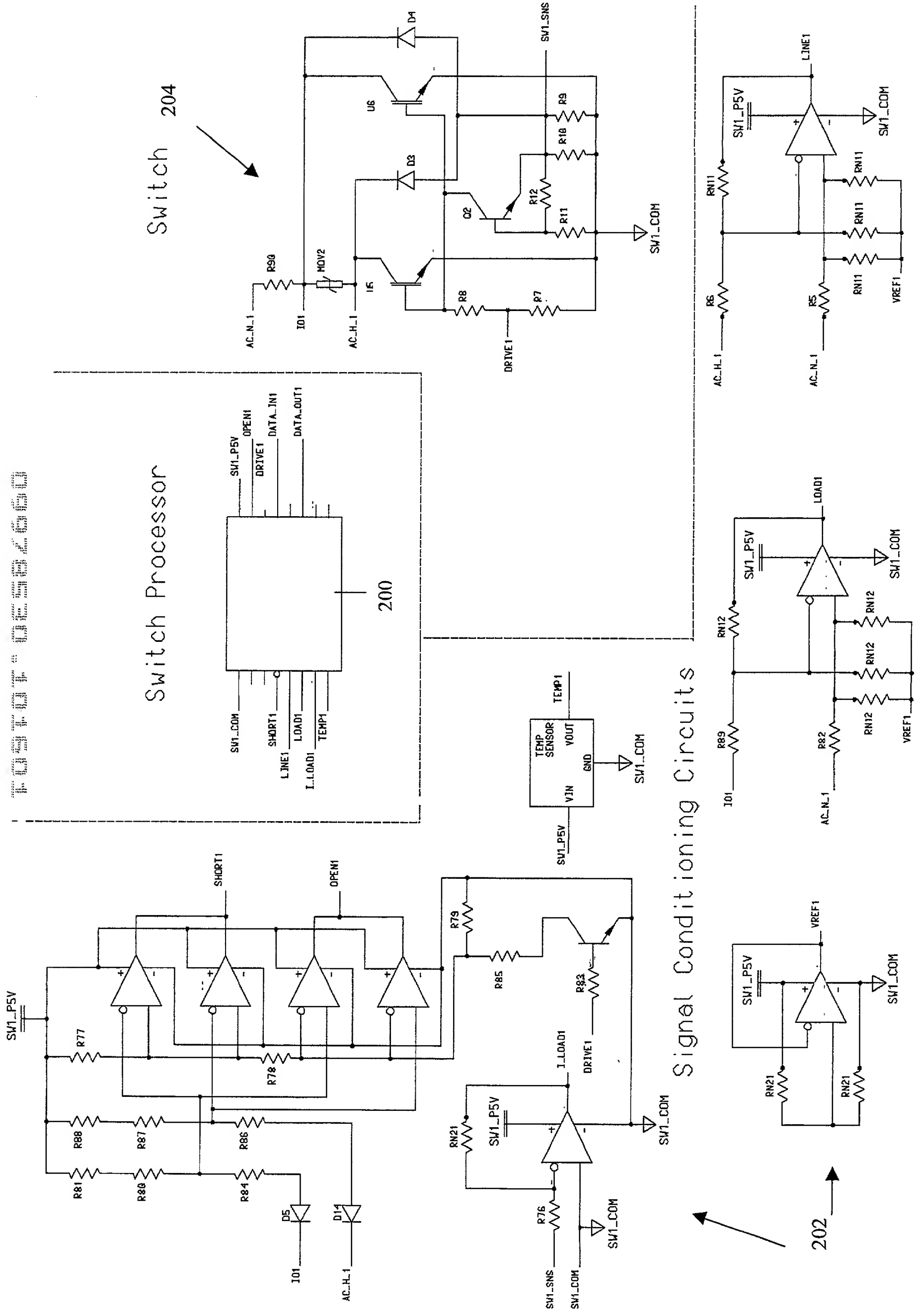


FIG. 4

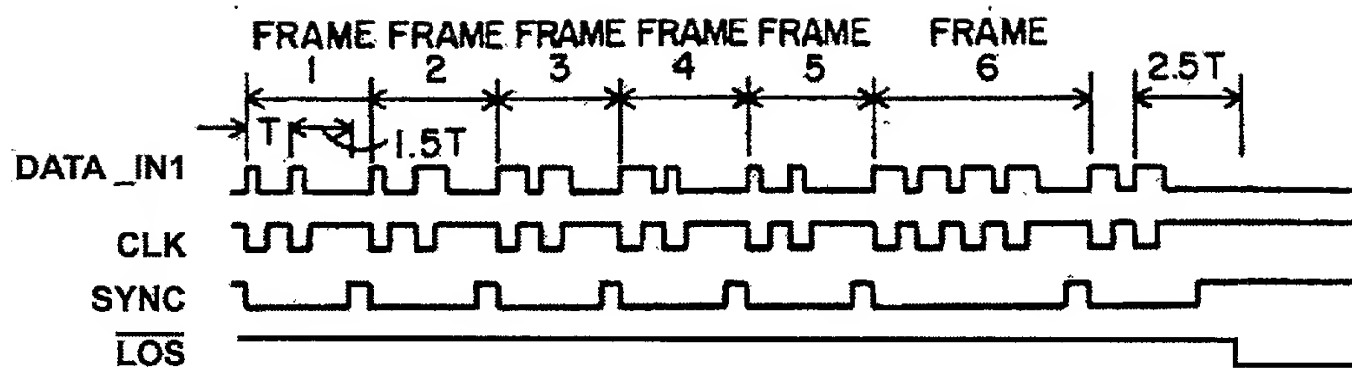


FIG. 5

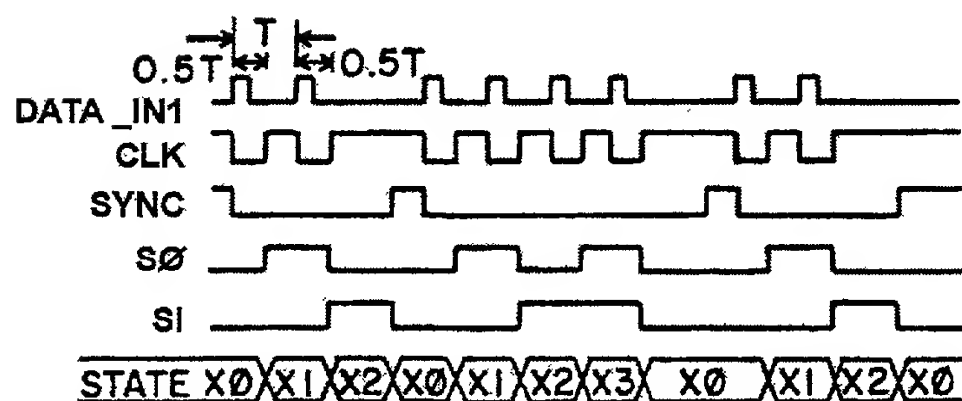


FIG. 6

## Diagnostic Data Encoding

X0	X1	X2	X3	X4	X5	Meaning
1	0	ZERCR	RDNT	1	1	Normal off
0	0	ZERCR	RDNT	1	1	Normal on, no IGT current
0	1	ZERCR	RDNT	1	1	Normal on, IGT current present
1	1	1	1	1	1	Communication failure
0	0	0	0	0	0	Communication failure
1	1	0	0	0	1	Low line voltage
1	1	0	0	1	0	Overcurrent
1	1	0	0	1	1	Overcurrent and Low line voltage
1	1	0	1	0	0	Overtemp
1	1	0	1	0	1	Overtemp and Low line voltage
1	1	0	1	1	0	Overcurrent and Overtemperature
1	1	0	1	1	1	Overcurrent, Overtemp, Low line voltage
1	1	1	0	0	0	Overload
1	1	1	0	0	1	Overload and Low line voltage
1	1	1	1	0	0	Overload and Overtemp
1	1	1	1	0	1	Overload, Overtemp, Low line voltage

**FIG. 7**